

CBP and Trade Automated Interface Requirements

Currency Exchange Rates

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U.S. Customs and
Border Protection





This chapter provides record formats, which allow Automated Commercial Environment (ACE) users to receive Currency Exchange Rate data

Table of Contents

Table of Changes..... CER-3
Currency Query File..... CER-4
The Currency Query file provides currency exchange rates for a specific period of time.
Currency Conversion File CER-4
The Currency Conversion File converts foreign dollars into U.S. dollars.
Record Identifier F108 (Input).....CER-5
A mandatory currency query input record that provides data pertaining to the reference file code, International Organization for Standardization (ISO) country code, ISO currency code, and the beginning and ending exchange rate dates.
Record Identifier F108 (Output).....CER-6
A mandatory currency query output record that provides data pertaining to the reference file code, query results code, and the beginning and ending exchange rate dates, exchange rates, and indicator.
Record Identifier F208 (Output).....CER-8
A conditional currency query output record that provides data pertaining to the reference file code, International Organization for Standardization (ISO) country code, exchange rate date, exchange rate (2 and 3), and indicator (2 and 3).
Record Identifier F109 (Input).....CER-9
A mandatory currency conversion query input record that provides data pertaining to the reference file code, International Organization for Standardization (ISO) country code, ISO currency code, exchange rate date and foreign currency amount.
Record Identifier F109 (Output).....CER-10
A mandatory currency conversion query output record that provides data pertaining to the reference file code, International Organization for Standardization (ISO) country code, ISO currency code, exchange rate date, query results code and up to three exchange rates, indicators, and equivalent dollar amounts.
Record Identifier F209 (Output).....CER-12
A conditional currency conversion query output record that provides data pertaining to the reference file code, International Organization for Standardization (ISO) country code, exchange rate date, remarks, and a narrative message. Results are received only for the date used on input.



Table of Changes

Revision Number	Date of Change	Section(s) Affected	Brief Description of Change
1	4/23/2023	All—New CATAIR for ACE Currency Exchange Rates	Currency Exchange Rates Query migrated from the Automated Commercial System (ACS) over to ACE The input record identifier will be “FI” and the output record identifier will be “FR”



Currency Exchange Rates

The Currency Exchange Rates query provides up-to-date data on:

- Currency Exchange Rates
- Currency Conversion Codes

Currency Query File

The Currency Query File provides currency exchange rates for a certain period of time.

Input: Record Identifier F108 is a mandatory currency query record.

The application identifier on Record Identifier B is FI. For additional information on Record Identifier B, refer to the Application Control chapter of this publication.

Output: Record Identifier F108 is a mandatory currency query record and Record Identifier F208 is a conditional currency query record.

The application identifier on Record Identifier B is FR. For additional information on Record Identifier B, refer to the Application Control chapter of this publication.

Currency Conversion File

The Currency Conversion File converts foreign dollars into U.S. dollars.

Input: Record Identifier F109 is a mandatory currency conversion query record.

The application identifier on Record Identifier B is FI. For additional information on Record Identifier B, refer to the Application Control chapter of this publication.

Output: Record Identifier F109 is a mandatory currency conversion query record and Record Identifier F209 is a conditional currency conversion query record.

The application identifier on Record Identifier B is FR. For additional information on Record Identifier B, refer to the Application Control chapter of this publication.



Record Identifier F108 (Input)

This is a mandatory currency query input record that provides data pertaining to the reference file code, International Organization for Standardization (ISO) country code, ISO currency code, and the beginning and ending exchange rate dates.

Record Identifier F108 (Input)					
Data Element	Length/Class	Position	Status	Description	Note
Control Identifier	1A	1	M	Must always equal F.	
Record Type	1N	2	M	Must always equal 1.	
Reference File Code	2N	3-4	M	Must always equal 08.	
ISO Country Code	2A	5-6	O	The International Organization for Standardization (ISO) country code identifying the country associated with the currency code. Valid ISO country codes are listed in Appendix B of this publication.	
Filler	1AN	7	M	Space fill.	
ISO Currency Code	3A	8-10	C	The ISO currency code identifying the type of currency. Valid ISO currency codes are listed in Appendix B of this publication.	
Filler	1AN	11	M	Space fill.	
Exchange Rate Date (Beginning)	6N	12-17	O	A numeric date in MMDDYY (month, day, year) format representing the date the exchange rate became effective.	
Exchange Rate Date (Ending)	6N	18-23	O	A numeric date in MMDDYY (month, day, year) format representing the date the exchange rate ceased to exist.	
Filler	57AN	24-80	M	Space fill.	



Record Identifier F108 (Output)

A mandatory currency query output record that provides data pertaining to the reference file code, query results code, International Organization for Standardization (ISO) country code, ISO currency code, exchange rate and indicator.

Record Identifier F108 (Output)					
Data Element	Length/ Class	Position	Status	Description	Note
Control Identifier	1A	1	M	Must always equal F.	
Record Type	1N	2	M	Must always equal 1.	
Reference File Code	2N	3-4	M	Must always equal 08.	
Filler	1AN	5	M	Space fill.	
Query Results Code	1N	6	M	A code representing the query results. Valid Query Results Codes are: 0 = Currency rate on file 1 = No currency rate on file	
Edit Results Code	1N	7	M	A code representing the edit results. Valid Edit Results Codes are: 0 = Edits passed 1 = Country invalid 2 = Currency invalid 3 = Date 1 invalid 4 = Date 2 invalid 5 = Date 1 is greater than date 2	
Filler	1AN	8	M	Space fill.	
ISO Country Codes	2A	9-10	M	The International Organization for Standardization (ISO) country code for the country associated with the currency code. Valid ISO country codes are listed in Appendix B of this publication.	



Record Identifier F108 (Output)															
Data Element	Length/Class	Position	Status	Description	Note										
ISO Currency Code	3A	11-13	M	The ISO currency code identifying the type of currency. Valid ISO currency codes are listed in Appendix B of this publication.											
Exchange Rate Date	6N	14-19	M	A numeric date in MMDDYY (month, day, year) format representing the date the exchange rate is effective.											
Exchange Rate	7N	20-26	M	The currency rate of exchange. Six decimal places are implied. If the rate returned is 0123456, the exchange rate is 0.123456.											
Indicator 1	1A	27	M	<p>A code indicating the type of exchange rate. Valid Indicator Codes are:</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Q</td> <td>Quarterly</td> </tr> <tr> <td>D</td> <td>Daily</td> </tr> <tr> <td>N</td> <td>None (Not available from the Federal Reserve Bank for that date)</td> </tr> <tr> <td>X</td> <td>Reserved for future use</td> </tr> </tbody> </table> <p>If the rate for a given date is not available, the indicator returned is 'N' and the rate is '000000'. A record with an indicator of 'N' is valid.</p>	Code	Description	Q	Quarterly	D	Daily	N	None (Not available from the Federal Reserve Bank for that date)	X	Reserved for future use	
Code	Description														
Q	Quarterly														
D	Daily														
N	None (Not available from the Federal Reserve Bank for that date)														
X	Reserved for future use														
Remarks	50X	28-77	C	A narrative explanation of the exchange rates.											
Filler	3AN	78-80	M	Space fill.											

**Record Identifier F208 (Output)**

A conditional currency query output record that provides data pertaining to reference file code, International Organization for Standardization (ISO) country code, exchange rate date, exchange rates 2 and 3, and indicators 2 and 3.

Record Identifier F208 (Output)					
Data Element	Length/Class	Position	Status	Description	Note
Control Identifier	1A	1	M	Must always equal F.	
Record Type	1N	2	M	Must always equal 2.	
Reference File Code	2N	3-4	M	Must always equal 08.	
Filler	4AN	5-8	M	Space fill.	
ISO Country Code	2A	9-10	M	An International Organization for Standardization (ISO) country code representing the country for the currency.	
Filler	3AN	11-13	M	Space fill.	
Exchange Rate Date	6N	14-19	M	A numeric date in MMDDYY (month, day, year) format representing the exchange rate date.	
Exchange Rate 2	7AN	20-26	M	The second currency rate of exchange. Six decimal places are implied. If the rate returned is 0123456, the exchange rate is 0.123456.	
Indicator 2	1A	27	M	A code indicating the type of exchange rate.	1
Filler	1AN	28	M	Space fill.	
Exchange Rate 3	7N	29-35	C	The third currency rate of exchange. Six decimal places are implied. If the rate returned is 0123456, the exchange rate is 0.123456	
Indicator 3	1A	36	C	A code indicating the type of exchange rate.	1
Filler	44AN	37-80	M	Space fill.	

Note 1

Valid Indicator Codes are:

Code	Description
Q	Quarterly
D	Daily
N	None (Not available from the Federal Reserve Bank for that date)
X	Reserved for future use

If the rate for a given date is not available, the indicator returned is 'N' and the rate is '0000000'. A record with an indicator of 'N' is valid.



Record Identifier F109 (Input)

This is a mandatory currency conversion query input record that provides data pertaining to the reference file code, International Organization for Standardization (ISO) country code, ISO currency code, exchange rate date and foreign currency amount. If the user supplies the country, currency, currency amount, and date for which the conversion is desired, the Automated Commercial Environment (ACE) will return the calculated dollar amount. If there are remarks on the file associated with the query or the query request contained errors, Record Identifier F209 is system generated.

Record Identifier F109 (Input)					
Data Element	Length/Class	Position	Status	Description	Note
Control Identifier	1A	1	M	Must always equal F.	
Record Type	1N	2	M	Must always equal 1.	
Reference File Code	2N	3-4	M	Must always equal 09.	
ISO Country Code	2A	5-6	M	The International Organization for Standardization (ISO) country code identifying the country associated with the currency code. Valid ISO country codes are listed in Appendix B of this publication.	
ISO Currency Code	3A	7-9	M	The ISO currency code identifying the type of currency. Valid ISO currency codes are listed in Appendix B of this publication.	
Exchange Rate Date	6N	10-15	M	A numeric date in MMDDYY (month, day, year) format representing the exchange rate date.	
Filler	1AN	16	M	Space fill.	
Foreign Currency Amount	12N	17-28	M	The amount of the foreign currency. Two decimal places are implied.	
Filler	52AN	29-80	M	Space fill.	



Record Identifier F109 (Output)

This is a mandatory currency conversion query output record that provides data pertaining to the reference file code, International Organization for Standardization (ISO) country code, ISO currency code, exchange rate date, query results code and up to three exchange rates, indicators, and equivalent dollar amounts.

Record Identifier F109 (Output)					
Data Element	Length/Class	Position	Status	Description	Note
Control Identifier	1A	1	M	Must always equal F.	
Record Type	1N	2	M	Must always equal 1.	
Reference File Code	2N	3-4	M	Must always equal 09.	
ISO Country Code	2A	5-6	M	The International Organization for Standardization (ISO) country code associated with the currency. Valid ISO country codes are listed in Appendix B of this publication.	
ISO Currency Code	3A	7-9	M	The ISO code identifying the currency. Valid ISO currency codes are listed in Appendix B of this publication.	
Exchange Rate Date	6N	10-15	M	A numeric date in MMDDYY (month, day, year) format representing the exchange rate date.	
Query Results Code	1N	16	M	A code representing the query results. Valid Query Results Codes are: 0 = Rate found 1 = No rate found	
Filler	1AN	17	M	Space fill.	
Exchange Rate	7N	18-24	C	The currency rate of exchange. Six decimal places are implied. If the rate returned is 0123456, the exchange rate is 0.123456.	
Indicator 1	1A	25	C	A code indicating the type of exchange rate.	1
Equivalent Dollar Amount 1	12N	26-37	C	The equivalent amount in U.S. dollars. Two decimal places are implied.	
Filler	1AN	38	M	Space fill.	
Exchange Rate 2	7N	39-45	C	The second currency rate of exchange. Six decimal places are implied. If the rate returned is 0123456, the exchange rate is 0.123456.	
Indicator 2	1A	46	C	A code indicating the type of exchange rate.	1

Record Identifier F109 (Output)					
Data Element	Length/ Class	Position	Status	Description	Note
Equivalent Dollar Amount 2	12N	47-58	C	The equivalent amount in U.S. dollars associated with the second exchange rate.	
Filler	1AN	59	M	Space fill.	
Exchange Rate 3	7N	60-66	C	The third currency rate of exchange. Six decimal places are implied. If the rate returned is 0123456, the exchange rate is 0.123456.	
Indicator 3	1A	67	C	A code indicating the third exchange rate type.	1
Equivalent Dollar Amount 3	12N	68-79	C	The equivalent amount in U.S. dollars associated with the third rate of exchange. Two decimal places are implied.	
Filler	1AN	80	M	Space fill.	

Note 1

Valid Indicator Codes are:

Code	Description
Q	Quarterly
D	Daily
N	None (Not available from the Federal Reserve Bank for that date)
X	Reserved for future use

If the rate for a given date is not available, the indicator returned is 'N' and the rate is '0000000'. A record with an indicator of N is valid.



Record Identifier F209 (Output)

A conditional currency conversion query output record that provides data pertaining to the reference file code, International Organization for Standardization (ISO) country code, exchange rate date, remarks, and a narrative message. Results are received only for the date used on input.

Record Identifier F209 (Output)					
Data Element	Length/ Class	Position	Status	Description	Note
Control Identifier	1A	1	M	Must always equal F.	
Record Type	1N	2	M	Must always equal 2.	
Reference File Code	2N	3-4	M	Must always equal 09.	
ISO Country Code	2A	5-6	M	The International Organization for Standardization (ISO) country code representing the country. Valid ISO country codes are listed in Appendix B of this publication.	
Exchange Rate Date	6N	7-12	M	A numeric date in MMDDYY (month, day, year) format representing the currency exchange rate date.	
Remarks	50X	13-62	C	A narrative message.	
Narrative	18X	63-80	C	The narrative messages are: NO RATE THIS DATE NOT AVAILABLE INVALID AMOUNT INVALID DATE INVALID COUNTRY INVALID CURRENCY CODE INVALID ISO CURRENCY CODE	